Sanjay Ghodawat University, Kolhapur

2020-21

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

EXM/P/09/00

Year and Program: Final Year - B. Tech	**School of Technology**	**Department: Civil**
Course Code: CET401	**Course Title: Quantity Survey &Valuation**	**Semester :VII**
Day : Tuesday **Date: 15/0/12/2020**	**End Semester Examination**	**Time:2 Hrs.** **Max Marks:50**

Instructions: 1) All Questions are compulsory.
2)Assume any suitable data if missing

Q.1	**Answer the following (any Two)–**	**Marks**	**Bloom's Level**	**CO**
a)	Discuss in detail use and applications of specification.	8	03	CO1
b)	Prepare rate analysis for M-25 concrete .Take qty- 10 m^3	8	03	CO1
c)	Calculatequantities 1) Excavation 2) PPC 3) Brickwork in foundation and plinth for following drawing Draw Measurements Sheet. Use Centre Line Method (In plan dimension are in meter and in section dimensions are in centimeter) as shown in fig. 1.	8	03	CO2

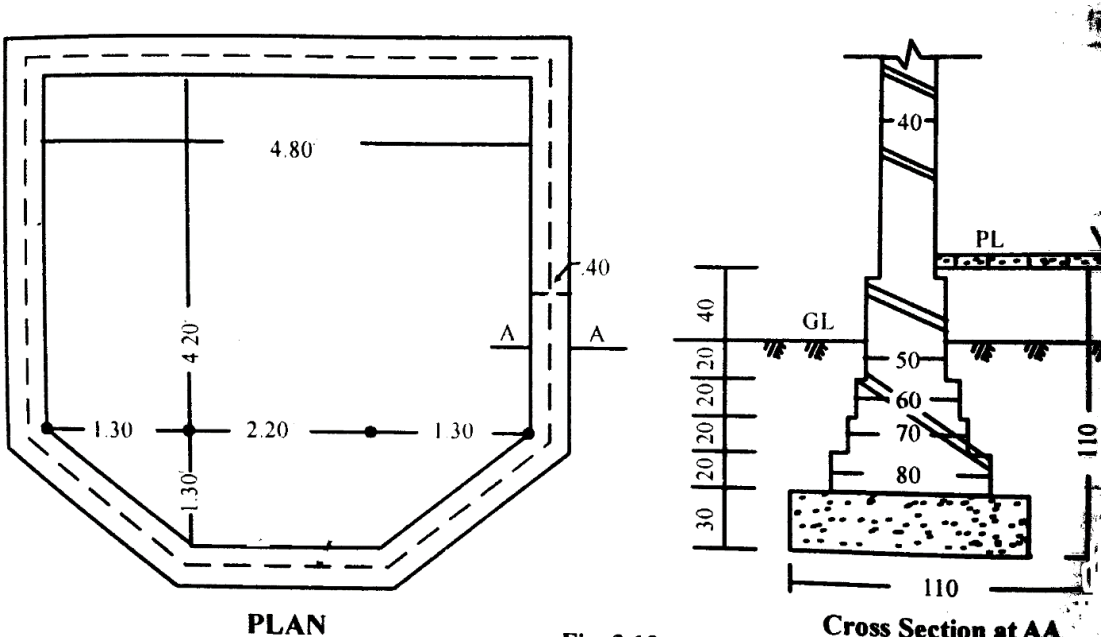


Figure 1

Q.2 **Answer the following (any two) –**

a)	Prepare Bar bending Schedule for beam having c/s 230 x 375 mm. Overall length of beam is 6.85 m. Reinforcement details is following Draw section at mid span and near to end 1) Anchor / Top Bar – 2 Nos 20 mm dia. 2) Bent bar at 45^0 – 2 Nos.20 mm dia. 3) Bottom Straight Bar – 2 Nos 20 mm dia. 4) Stirrups – 8 mm dia .135 c/c. 5) End Cover -40 mm 6) Side Cover -25 mm	8	L3	CO3
b)	Discuss termination of contract. State the reasons conductive to termination of contract	8	L3	CO3
c)	Draft tender notice for bridge construction over Panchaganga River near Kolhapur estimated cost is 2.5 Cr. Assume suitable data	8	L3	CO4

Q.3 **Answer the following (any two) –**

a)	A concrete mixer was purchased at Rs 120350/-. Assuming salvage value to be 8% after five yeas, calculate book value for each year by straight line method and constant percentage method	9	L4	CO5
b)	Calculate Valuation ofa plot shown inFigure 2 by belting method. Depthof first belt is 20 m and is valued at Rs. 350 per sqm.	9	L4	CO5

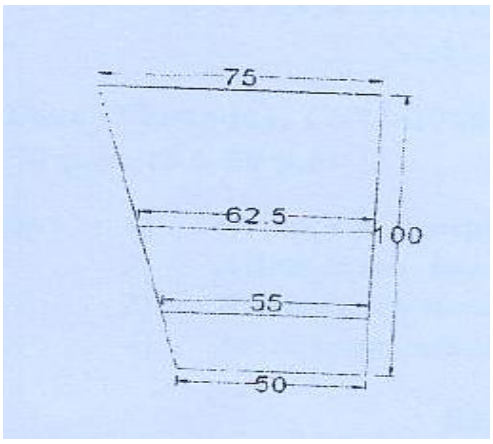


Figure 2

c)	Explain purposes of valuation	9	L4	CO6

*****